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OM protein - protein search, using sw model

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(without alignments)
889,824 Million cell updates/sec

Title: US-09-938-703-13
Perfect score: 184
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Scoring table: BLOSUM62
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Searched: 1163542 segs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0
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Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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6	184	100.0	215	9	US-09-939-226-6
7	184	100.0	215	9	US-09-938-703-6
8	184	100.0	215	16	US-10-661-798-6
9	184	100.0	215	16	US-10-661-798-18
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11	55	29.9	84	9	US-09-864-761-43094
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13	53	28.8	350	12	US-10-425-114-45003
14	52.5	28.5	309	14	US-10-103-313-374
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16	52	28.3	408	12	US-10-282-122A-51544	Sequence 51544, A
17	52	28.3	435	12	US-10-425-114-63698	Sequence 63698, A
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19	50.5	27.4	301	12	US-10-425-114-67601	Sequence 67601, A
20	50	27.2	45	12	US-10-424-599-216814	Sequence 216814, A
21	50	27.2	91	12	US-10-424-599-274845	Sequence 274845, A
22	50	27.2	200	12	US-10-425-114-53827	Sequence 53827, A
23	50	27.2	200	12	US-10-425-114-60270	Sequence 60270, A
24	50	27.2	404	14	US-10-151-763-7	Sequence 7, Appl1
25	50	27.2	556	12	US-10-425-114-63110	Sequence 63110, A
26	50	27.2	608	12	US-10-425-114-70949	Sequence 70949, A
27	50	27.2	640	12	US-10-425-114-62607	Sequence 62607, A
28	49.5	26.9	116	12	US-10-424-599-212200	Sequence 212200, A
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31	49.5	26.9	412	12	US-10-425-114-65703	Sequence 65703, A
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35	49	26.6	427	12	US-10-424-599-283722	Sequence 283722, A
36	48.5	26.4	462	12	US-10-425-114-65080	Sequence 65080, A
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38	48	26.1	170	9	US-09-925-300-11726	Sequence 1726, Ap
39	48	26.1	186	15	US-10-264-049-4104	Sequence 4104, Ap
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41	48	26.1	200	12	US-10-425-114-61771	Sequence 61771, A
42	48	26.1	244	12	US-10-225-066A-374	Sequence 374, App
43	48	26.1	244	15	US-10-374-780A-3728	Sequence 374, App
44	48	26.1	286	12	US-10-282-122A-51474	Sequence 51474, A
45	48	26.1	297	9	US-09-938-330-4	Sequence 4, Appl1

ALIGNMENTS

RESULT 1
US-09-938-719-13
; Sequence 13, Application US/09938719
; Patent No. US20020106742A1
; GENERAL INFORMATION:
APPLICANT: SAMSON, MITCHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938, 719
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/626, 939
FILING DATE: 27-JULY-2000
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel B
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-938-719-13

Query Match 100.0%; Score 184; DB 9; Length 34;
Best Local Similarity 100.0%; Pred. No. 2.5e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34

RESULT 2
US-09-939-226-13
Sequence 13, Application US/09939226
Patent No. US20020110805A1
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbé, Martens, Olsson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/939, 226
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/626, 939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34, 115
REFERENCE/DOCKET NUMBER: <Unknown>

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-939-226-13

Query Match 100.0%; Score 184; DB 9; Length 34;
Best Local Similarity 100.0%; Pred. No. 2.5e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34

RESULT 3
US-09-938-703-13
Sequence 13, Application US/09938703
Patent No. US20020110870A1
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbé, Martens, Olsson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938, 703
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/626, 939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:

NAME: Altman, Daniel E
REGISTRATION NUMBER: 34, 115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-938-703-13

Query Match 100.0%; Score 184; DB 9; Length 34;
Best Local Similarity 100.0%; Pred. No. 2.5e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34

RESULT 4

US-10-661-798-13
Sequence 13, Application US/10661798
Publication No. US20040110127A1
GENERAL INFORMATION:

APPLICANT: Samson, Michael
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV Ent

FILE REFERENCE: 9409/2023F

CURRENT APPLICATION NUMBER: US/10/661, 798

CURRENT FILING DATE: 2003-09-12

PRIOR APPLICATION NUMBER: 09/938, 703

PRIOR FILING DATE: 2001-08-24

PRIOR APPLICATION NUMBER: 09/626, 939

PRIOR FILING DATE: 2000-07-27

PRIOR APPLICATION NUMBER: 08/833, 752

PRIOR FILING DATE: 1997-04-09

PRIOR APPLICATION NUMBER: 08/810, 028

PRIOR FILING DATE: 1997-03-03

PRIOR APPLICATION NUMBER: EP 96870021.1

PRIOR FILING DATE: 1996-03-01

PRIOR APPLICATION NUMBER: EP 96870102.9

PRIOR FILING DATE: 1996-08-06
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 34
TYPE: PRT
ORGANISM: Homo sapiens
US-10-661-798-13

Query Match 100.0%; Score 184; DB 16; Length 34;
Best Local Similarity 100.0%; Pred. No. 2.5e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
US-09-938-719-6

Sequence 6, Application US/09938719
Patent No. US20020106742A1
GENERAL INFORMATION:
APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938,719
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/626,939
FILING DATE: 27-JULY-2000
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6;
US-09-938-719-6

Query Match 100.0%; Score 184; DB 9; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.8e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34
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RESULT 6
US-09-939-226-6

Sequence 6, Application US/09939226
Patent No. US20020110805A1
GENERAL INFORMATION:
APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/939,226
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/626,939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6;
US-09-939-226-6

Query Match 100.0%; Score 184; DB 9; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.8e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34
182 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 215

RESULT 7
US-09-938-703-6

Sequence 6, Application US/09938703
Patent No. US20020110870A1
GENERAL INFORMATION:
APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938,703
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/626,939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-938-703-6

Query Match 100.0%; Score 184; DB 9; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.8e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPYIKDSHLGAGPAAACHGILLGNPKNSASVSK 34
DB 182 FPYIKDSHLGAGPAAACHGILLGNPKNSASVSK 215

RESULT 8
US-10-661-798-6
Sequence 6, Application US/10661798
GENERAL INFORMATION:
APPLICANT: Samson, Michael
APPLICANT: Parmentier, Marc
APPLICANT: Vaessart, Gilbert
APPLICANT: Frederic, Libert
TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV Entry
FILE REFERENCE: 9409/2023F
CURRENT APPLICATION NUMBER: US/10/661,798
CURRENT FILING DATE: 2003-09-12
PRIOR APPLICATION NUMBER: 09/938,703
PRIOR FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: 09/626,939
PRIOR FILING DATE: 2000-07-27
PRIOR APPLICATION NUMBER: 08/833,752
PRIOR FILING DATE: 1997-04-09
PRIOR APPLICATION NUMBER: 08/810,028
PRIOR FILING DATE: 1997-03-03
PRIOR APPLICATION NUMBER: EP 96870021.1
PRIOR FILING DATE: 1996-03-01
PRIOR APPLICATION NUMBER: EP 96870102.9
PRIOR FILING DATE: 1996-08-06
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6
LENGTH: 215
TYPE: PRT
ORGANISM: Homo sapiens
US-10-661-798-6

Query Match 100.0%; Score 184; DB 16; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.8e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPYIKDSHLGAGPAAACHGILLGNPKNSASVSK 34
DB 182 FPYIKDSHLGAGPAAACHGILLGNPKNSASVSK 215

RESULT 9
US-10-661-798-18
Sequence 18, Application US/10661798
GENERAL INFORMATION:
APPLICANT: Samson, Michael
APPLICANT: Parmentier, Marc
APPLICANT: Vaessart, Gilbert
APPLICANT: Frederic, Libert
TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV Entry
FILE REFERENCE: 9409/2023F
CURRENT APPLICATION NUMBER: US/10/661,798
CURRENT FILING DATE: 2003-09-12
PRIOR APPLICATION NUMBER: 09/938,703
PRIOR FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: 09/626,939
PRIOR FILING DATE: 2000-07-27
PRIOR APPLICATION NUMBER: 08/833,752
PRIOR FILING DATE: 1997-04-09
PRIOR APPLICATION NUMBER: 08/810,028
PRIOR FILING DATE: 1997-03-03
PRIOR APPLICATION NUMBER: EP 96870021.1
PRIOR FILING DATE: 1996-03-01
PRIOR APPLICATION NUMBER: EP 96870102.9
PRIOR FILING DATE: 1996-08-06
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn version 3.1
SEQ ID NO 18
LENGTH: 215
TYPE: PRT
ORGANISM: Homo sapiens
US-10-661-798-18

Query Match 100.0%; Score 184; DB 16; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.8e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPYIKDSHLGAGPAAACHGILLGNPKNSASVSK 34
DB 182 FPYIKDSHLGAGPAAACHGILLGNPKNSASVSK 215

RESULT 10
US-10-156-761-8413
Sequence 8413, Application US/10156761
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYPEPTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 8413
LENGTH: 321
TYPE: PRT
ORGANISM: Streptomyces avermitilis
US-10-156-761-8413

Query Match 30.7%; Score 56.5; DB 14; Length 321;
Best Local Similarity 46.4%; Pred. No. 15;

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 28, 2004, 08:38:26 ; Search time 4.50602 Seconds
(without alignments)
389.541 Million cell updates/sec

Title: US-09-938-703-13

Sequence: 1 PPYIKDHLGAGPAAACHGILLGNPKNSASVSK 34

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	184	100.0	34	US-08-833-752-13	Sequence 13, Appl
2	184	100.0	215	US-09-087-232A-17	Sequence 17, Appl
3	184	100.0	215	US-08-833-752-6	Sequence 6, Appl
4	57	31.0	13	US-08-907-468-13	Sequence 13, Appl
5	50.5	27.4	427	US-09-392-772-4	Sequence 4, Appl
6	50	27.2	501	US-08-660-963-13	Sequence 13, Appl
7	50	27.2	1011	US-09-252-991A-32419	Sequence 32419, A
8	49.5	26.9	306	US-09-392-772-6	Sequence 6, Appl
9	49.5	26.9	344	US-09-392-772-2	Sequence 2, Appl
10	49.5	26.9	568	US-09-252-991A-22727	Sequence 22727, A
11	49	26.6	535	US-09-252-991A-17140	Sequence 17140, A
12	49	26.6	540	US-09-252-991A-30398	Sequence 30398, A
13	48.5	26.4	153	US-09-392-772-8	Sequence 8, Appl
14	48.5	26.4	367	US-09-252-991A-26618	Sequence 26618, A
15	48	26.1	396	US-09-252-991A-32927	Sequence 32927, A
16	48	26.1	412	US-09-252-991A-19556	Sequence 19556, A
17	47.5	25.8	2304	US-09-324-867-4	Sequence 4, Appl
18	47.5	25.8	2319	US-08-212-133A-8	Sequence 8, Appl
19	47.5	25.8	2319	US-08-474-503-6	Sequence 6, Appl
20	47.5	25.8	2319	US-08-670-707A-6	Sequence 6, Appl
21	47.5	25.8	2319	US-09-037-601-6	Sequence 6, Appl
22	47.5	25.8	2319	US-09-315-179-6	Sequence 6, Appl
23	47.5	25.8	2319	US-09-523-656-28	Sequence 28, Appl
24	47.5	25.8	2319	PCT-US94-13200-6	Sequence 6, Appl
25	47	25.3	519	US-09-107-532A-6778	Sequence 6778, A
26	46.5	25.3	429	US-09-252-991A-28983	Sequence 28983, A
27	46	25.0	91	US-08-591-498-6	Sequence 6, Appl

28	46	25.0	210	4	US-09-252-991A-17944	Sequence 17944, A
29	46	25.0	372	4	US-09-973-963-4	Sequence 4, Appl
30	46	25.0	492	1	US-07-783-705A-4	Sequence 4, Appl
31	46	25.0	574	4	US-09-252-991A-10868	Sequence 10868, A
32	46	25.0	795	4	US-09-252-991A-18955	Sequence 18955, A
33	46	25.0	3959	2	US-08-970-269A-30	Sequence 30, Appl
34	46	25.0	3959	3	US-09-407-562-30	Sequence 30, Appl
35	45.5	24.7	392	3	US-09-252-991A-19038	Sequence 19038, A
36	45.5	24.7	495	4	US-08-861-774E-24	Sequence 24, Appl
37	45.5	24.7	495	4	US-10-072-094-95	Sequence 95, Appl
38	45.5	24.7	535	4	US-09-252-991A-28410	Sequence 28410, A
39	45.5	24.7	590	4	US-10-072-094-99	Sequence 99, Appl
40	45.5	24.7	666	4	US-09-489-039A-10821	Sequence 10821, A
41	45.5	24.7	780	4	US-10-072-094-93	Sequence 93, Appl
42	45.5	24.7	879	4	US-10-072-094-90	Sequence 90, Appl
43	45.5	24.7	1011	4	US-10-072-094-89	Sequence 89, Appl
44	45.5	24.7	1069	4	US-10-072-094-87	Sequence 87, Appl
45	45.5	24.7	1438	4	US-09-209-916-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-833-752-13
Sequence 13, Application US/08833752
Patent No. 6448375
GENERAL INFORMATION:
APPLICANT: SAMSON, MICHEL
APPLICANT: PARMENTIER, MARC
APPLICANT: VASSART, GILBERT
APPLICANT: LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSER: Knobbbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA: US/08/833,752
FILING DATE: 9-APR-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-833-752-13

Query Match 100.0%; Score 184; DB 4; Length 34;
Best Local Similarity 100.0%; Pred. No. 1.1e-20;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 PPYIKDHLGAGPAAACHGILLGNPKNSASVSK 34
DB 1 PPYIKDHLGAGPAAACHGILLGNPKNSASVSK 34

RESULT 2

US-09-087-232A-17
Sequence 17, Application US/09087232A
Patent No. 6153431
GENERAL INFORMATION:
APPLICANT: Quillent et al.
TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR
TITLE OF INVENTION: VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION.
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Baker & Bots, L.L.P. attn. Lisa Kole
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/087,232A
FILING DATE: 28 MAY 1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/048,057
FILING DATE: 30 MAY 1997
ATTORNEY/AGENT INFORMATION:
NAME: KOLE, LISA B.
REGISTRATION NUMBER: 35,225
REFERENCE/DOCKET NUMBER: AP 31115
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 408-2628
TELEFAX: (212) 765-2519
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-087-232A-17
Query Match 100.0%; Score 184; DB 3; Length 215;
Best Local Similarity 100.0%; Pred. No. 1e-19;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34
DB 182 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 215
RESULT 3
US-08-833-752-6
Sequence 6, Application US/08833752
Patent No. 6448375
GENERAL INFORMATION:
APPLICANT: SAMSON, MICHEL
APPLICANT: PARMENTIER, MARC
APPLICANT: VASSART, GILBERT
APPLICANT: LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,752
FILING DATE: 9-APR-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-833-752-6

Query Match 100.0%; Score 184; DB 4; Length 215;
Best Local Similarity 100.0%; Pred. No. 1e-19;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34
DB 182 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 215

RESULT 4
US-08-907-468-13
Sequence 13, Application US/08907468
Patent No. 6057102
GENERAL INFORMATION:
APPLICANT: Landau, Nathaniel R.
APPLICANT: Koup, Richard A.
APPLICANT: Liu, Rong
APPLICANT: Paxton, William
TITLE OF INVENTION: HIV CORECEPTOR MUTANTS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/907,468
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1049-1-005 N
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: internal
US-08-907-468-13


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; SOFTWARE: Microsoft Office 97
; SEQ ID NO 8
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Trilicium aestivum
US-09-392-772-8

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Query Match          26.4%; Score 48.5; DB 4; Length 153;
Best Local Similarity 39.5%; Pred. No. 12;
Matches 15; Conservative 6; Mismatches 10; Indels 7; Gaps 3;

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QY      1 FPIKDS-----HLGAPPAACHGHL-LGNPKNSASV 32
      23 FVIKDAIEAVLMTENPARA-NGHFNVGNDPEYTV 59
Db

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RESULT 14
US-09-252-991A-26618
; Sequence 26618, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26618
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26618

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Query Match          26.1%; Score 48; DB 4; Length 367;
Best Local Similarity 38.7%; Pred. No. 41;
Matches 12; Conservative 3; Mismatches 16; Indels 0; Gaps 0;

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QY      3 YIKDSHLGAGPAAACHGHL-LGNPKNSASVS 33
      86 YDVSPHYGAGLAEQRFRLSGKPRDEYVLS 116
Db

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RESULT 15
US-09-252-991A-32927
; Sequence 32927, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32927
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32927

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Query Match          26.1%; Score 48; DB 4; Length 396;
Best Local Similarity 50.0%; Pred. No. 44;
Matches 12; Conservative 3; Mismatches 7; Indels 2; Gaps 1;

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      120 SRRGAGPAGG--GDDLGPDRRA 141
Db

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Matches 13; Conservative 5; Mismatches 9; Indels 1; Gaps 1;
QY 4 IKDSLHGAG-PAACHGHLILGNPKNSA 30
Db 252 LDHARLAGIPAVLHGRILGSPKTA 279

RESULT 11

US-09-864-761-43094
Sequence 43094, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn. Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecmica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
NUMBER OF SEQ ID NOS: 29
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 43094
LENGTH: 84
TYPE: PRT
ORGANISM: Homo sapiens

FEATURE:
OTHER INFORMATION: MAP TO AL096816.12
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.4
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.93
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.92
OTHER INFORMATION: EST_HUMAN HIT: A1696698.1, VALUE 7.00e-28

US-09-864-761-43094
Query Match 29.9%; Score 55; DB 9; Length 84;

Best Local Similarity 50.0%; Pred. No. 5.9;
Matches 12; Conservative 1; Mismatches 5; Indels 6; Gaps 1;
QY 6 DSHLGAGPAAACHGHLILGNPKNS 29
Db 48 DSHLGAGPAAAT-----GGPRTS 65

RESULT 12

US-10-104-047-3703
Sequence 3703, Application US/10104047
Publication No. US20030236392A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NO. US20030236392A1el full length cDNA
FILE REFERENCE: H1-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3703
LENGTH: 356
TYPE: PRT
ORGANISM: Homo sapiens
US-10-104-047-3703

Query Match 29.9%; Score 55; DB 15; Length 356;
Best Local Similarity 50.0%; Pred. No. 28;
Matches 12; Conservative 1; Mismatches 5; Indels 6; Gaps 1;

QY 6 DSHLGAGPAAACHGHLILGNPKNS 29
Db 218 DSHLGAGPAAAT-----GGPRTS 235

RESULT 13

US-10-425-114-45003
Sequence 45003, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 45003
LENGTH: 350
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: 700214342_F11.Dep
US-10-425-114-45003

Query Match 28.8%; Score 53; DB 12; Length 350;
Best Local Similarity 64.7%; Pred. No. 52;
Matches 11; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 8 HLGAGPAAACHGHLILG 24
Db 129 HLGAAAAGLACHGHLILG 145

RESULT 14
US-10-103-313-374

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; Sequence 374, Application US/10103313
; Publication No. US20030082758A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ207C1
; CURRENT APPLICATION NUMBER: US/10/103,313
; NUMBER OF SEQ ID NOS: 653
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 374
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-103-313-374

Query Match          28.5%; Score 52.5; DB 14; Length 309;
Best Local Similarity 31.9%; Pred. No. 53;
Matches 15; Conservative 4; Mismatches 11; Indels 17; Gaps 2;

QY      1 FPYIKDSHLGAGPAAAC-----HGHLILGNPKNSASV 32
Db      64 FPRKQDLGLGAG--AVCREGLSQOVVAPSTAGHAVAVGPPSVRGAV 108

RESULT 15
US-10-424-599-166254
; Sequence 166254, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 166254
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(102)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_121142C.1.pep
; US-10-424-599-166254

Query Match          28.3%; Score 52; DB 12; Length 102;
Best Local Similarity 26.8%; Pred. No. 19;
Matches 15; Conservative 5; Mismatches 14; Indels 22; Gaps 2;

QY      1 FPYIKDSHLGAGP-----AAAGHLLGNPKN-----SASVSK 34
Db      10 FKVYADHLCTGTGFGGCMPPKLMITHVCYSHNLGNIPNIIYVYANNPSDATISK 65
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Job time : 10.7871 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 28, 2004, 08:38:26 ; Search time 28.494 Seconds

(without alignments)
389,541 Million cell updates/sec

Title: US-09-938-703-6

Perfect score: 1122
Sequence: 1 MDYQVSSPTIYDINNTSEPC.....AACHGHLLGNPKNSASVSK 215Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
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Maximum Match 100%
Listing first 45 summaries

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5: /cgn2_6/ptodata/2/1aa/PCTUS_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1122	100.0	215	3	US-09-087-232A-17
2	1122	100.0	215	4	US-08-833-752-6
3	958	85.4	184	4	US-08-833-752-4
4	958	85.4	352	3	US-09-087-232A-13
5	958	85.4	352	3	US-08-861-105-14
6	958	85.4	352	4	US-08-575-967A-2
7	958	85.4	352	4	US-08-833-752-5
8	958	85.4	352	4	US-09-502-783A-2
9	958	85.4	352	4	US-09-796-202-1
10	952	84.8	352	3	US-09-045-583-52
11	952	84.8	352	4	US-09-534-185-52
12	943	84.0	352	4	US-08-466-343D-2
13	936	83.4	352	4	US-09-517-605-5
14	776	69.2	354	4	US-08-724-984A-2
15	695	61.9	360	4	US-09-131-827A-20
16	694	61.9	344	4	US-08-466-343D-9
17	694	61.9	347	1	US-08-461-244-3
18	694	61.9	360	1	US-08-450-393A-4
19	694	61.9	360	3	US-08-446-669-4
20	694	61.9	360	4	US-09-045-583-50
21	694	61.9	360	4	US-09-534-185-50
22	694	61.9	360	4	US-09-131-827A-2
23	694	61.9	360	5	PCT-US95-00476-4
24	694	61.9	374	1	US-08-450-393A-2
25	694	61.9	374	1	US-08-446-669-2
26	694	61.9	374	5	PCT-US95-00476-2
27	692	61.7	360	4	US-08-833-752-7

28	688	61.3	360	3	US-09-045-583-51	Sequence 51, Appl
29	688	61.3	360	4	US-09-534-185-51	Sequence 51, Appl
30	608.5	54.2	329	4	US-09-502-783A-9	Sequence 9, Appl
31	598	53.3	355	1	US-08-012-988A-2	Sequence 2, Appl
32	598	53.3	355	1	US-08-450-393A-5	Sequence 5, Appl
33	598	53.3	355	3	US-08-446-669-5	Sequence 5, Appl
34	598	53.3	355	4	US-09-239-938-1	Sequence 1, Appl
35	598	53.3	355	4	US-09-886-319A-14	Sequence 14, Appl
36	598	53.3	355	5	PCT-US95-00476-5	Sequence 9, Appl
37	594	52.9	355	4	US-08-833-752-9	Sequence 9, Appl
38	570.5	50.8	355	4	US-09-886-319A-13	Sequence 13, Appl
39	562	50.1	355	3	US-09-045-583-53	Sequence 53, Appl
40	562	50.1	355	4	US-09-534-185-53	Sequence 53, Appl
41	547.5	48.8	360	3	US-08-875-573-20	Sequence 20, Appl
42	547.5	48.8	360	3	US-09-232-878-2	Sequence 2, Appl
43	547.5	48.8	360	3	US-09-045-583-55	Sequence 55, Appl
44	547.5	48.8	360	4	US-09-534-185-55	Sequence 35, Appl
45	547.5	48.8	360	4	US-08-939-107-34	Sequence 34, Appl

ALIGNMENTS

RESULT 1
US-09-087-232A-17
Sequence 17, Application US/09087232A
Patent No. 6153431
GENERAL INFORMATION:
APPLICANT: Quiilent et al.
TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR
NUMBER OF SEQUENCES: 23
VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION.
CORRESPONDENCE ADDRESS:
ADDRESS: Baker & Botts, L.L.P. attn. Lisa Kole
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/087,232A
FILING DATE: 28 MAY 1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/048,057
FILING DATE: 30 MAY 1997
ATTORNEY/AGENT INFORMATION:
NAME: KOLE, LISA B.
REGISTRATION NUMBER: 35,225
REFERENCE/DOCKET NUMBER: AP 31115
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 408-2628
TELEFAX: (212) 765-2519
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-087-232A-17
Query Match 100.0%; Score 1122; DB 3; Length 215;
Best Local Similarity 100.0%; Pred. No. 8.3e-104;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDYQVSSPTIYDINNTSEPCOKINVKQIAALLPLPLVIFFGVGMVLVILLINCKR 60
DB 1 MDYQVSSPTIYDINNTSEPCOKINVKQIAALLPLPLVIFFGVGMVLVILLINCKR 60

QY	61	LKSMTDIYLNLAIASDLFEFLITPFWMAHYAAAQMPFGNTMCOLLTGLVYIFGFSGIFFLII	120
Db	61	LKSMTDIYLNLAIASDLFEFLITPFWMAHYAAAQMPFGNTMCOLLTGLVYIFGFSGIFFLII	120
QY	121	LLITDRIYLAHVAAVPAALKARITVTFGVVTSVITWVAVFASLPDGLIIFTRSOKEGLHYTCSS	180
Db	121	LLITDRIYLAHVAAVPAALKARITVTFGVVTSVITWVAVFASLPDGLIIFTRSOKEGLHYTCSS	180
QY	181	HFPIYIKDSHLGAGPAAACHGHLLGNPKNSASVSK	215
Db	181	HFPIYIKDSHLGAGPAAACHGHLLGNPKNSASVSK	215
RESULT 2			
US-08-833-752-6			
Sequence 6, Application US/08833752			
Patent No. 6448375			
GENERAL INFORMATION:			
APPLICANT: SAMSON, MICHEL			
APPLICANT: PARMENTIER, MARC			
APPLICANT: VASSART, GILBERT			
APPLICANT: LIBERT, FREDERICK			
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR			
TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR			
NUMBER OF SEQUENCES: 17			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Knobbé, Martens, Olsson & Bear			
STREET: 620 Newport Center Drive			
CITY: Newport Beach			
STATE: CA			
COUNTRY: U.S.A.			
ZIP: 92660			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Floppy disk			
COMPUTER: IBM PC compatible			
OPERATING SYSTEM: PC-DOS/MS-DOS			
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/08/833,752			
FILING DATE: 9-Apr-1997			
CLASSIFICATION: 536			
ATTORNEY/AGENT INFORMATION:			
NAME: Altman, Daniel E			
REGISTRATION NUMBER: 34,115			
REFERENCE/DOCKET NUMBER:			
INFORMATION FOR SEQ ID NO: 6:			
SEQUENCE CHARACTERISTICS:			
LENGTH: 215 amino acids			
TYPE: amino acid			
TOPOLOGY: linear			
MOLECULE TYPE: protein			
US-08-833-752-6			
Query Match			
Best Local Similarity 100.0%; Score 1122; DB 4; Length 215;			
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0			
QY	1	MDYGVSSPIYDINNYTSEPCCKINVKQIAARLLPILYSLVPIFGFNGMLVILILINCKR	60
Db	1	MDYGVSSPIYDINNYTSEPCCKINVKQIAARLLPILYSLVPIFGFNGMLVILILINCKR	60
QY	61	LKSMTDIYLNLAIASDLFEFLITPFWMAHYAAAQMPFGNTMCOLLTGLVYIFGFSGIFFLII	120
Db	61	LKSMTDIYLNLAIASDLFEFLITPFWMAHYAAAQMPFGNTMCOLLTGLVYIFGFSGIFFLII	120
QY	121	LLITDRIYLAHVAAVPAALKARITVTFGVVTSVITWVAVFASLPDGLIIFTRSOKEGLHYTCSS	180
Db	121	LLITDRIYLAHVAAVPAALKARITVTFGVVTSVITWVAVFASLPDGLIIFTRSOKEGLHYTCSS	180
QY	181	HFPIYIKDSHLGAGPAAACHGHLLGNPKNSASVSK	215
Db	181	HFPIYIKDSHLGAGPAAACHGHLLGNPKNSASVSK	215

```

RESULT 3
US-08-833-752-4
; Sequence 4, Application US/00833752
; Patent No. 6448375
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; APPLICANT: PARMENTIER, MARC
; APPLICANT: VASSART, GILBERT
; APPLICANT: LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/833,752
; FILING DATE: 9-APR-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 184 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-833-752-4

Query Match      85.4%; Score 958; DB 4; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.3e-87;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MDYGVSSPIYDINYYTSPCKINKQIAARLLPPLYSLVFIFFGFGNNLVILLINCKR 60
Db 1 MDYGVSSPIYDINYYTSPCKINKQIAARLLPPLYSLVFIFFGFGNNLVILLINCKR 60
Cy 61 LKSMIDYILNLAISDLFFLLTVPFMAHYAAQMPDGNMCOILLTGLYFIFGFSGIFFI 120
Db 61 LKSMIDYILNLAISDLFFLLTVPFMAHYAAQMPDGNMCOILLTGLYFIFGFSGIFFI 120
Cy 121 LTTIDRYIAVVAHVAFAALKAQRTVTSVITWVAVAFASLPGIITTRQKESGIHTCSS 180
Db 121 LTTIDRYIAVVAHVAFAALKAQRTVTSVITWVAVAFASLPGIITTRQKESGIHTCSS 180
Cy 181 HFPY 184
Db 181 HFPY 184

RESULT 4
US-09-087-232A-13
; Sequence 13, Application US/09087232A
; Patent No. 6153431
; GENERAL INFORMATION:
; APPLICANT: Quillent et al.
; TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR
; TITLE OF INVENTION: VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:

```

ADDRESSER: Baker & Botts, L.L.P. attn. Lisa Kole
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA: US/09/087,232A
APPLICATION NUMBER: US/09/087,232A
FILING DATE: 28 MAY 1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/048,057
FILING DATE: 30 MAY 1997
ATTORNEY/AGENT INFORMATION:
NAME: KOLE, LISA B.
REGISTRATION NUMBER: 35,225
REFERENCE/DOCKET NUMBER: AP 31115
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 408-2628
TELEFAX: (212) 765-2519
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-087-232A-13

Query Match 85.4%; Score 958; DB 3; Length 352;
Best Local Similarity 100.0%; Pred. No. 2.7e-87;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINNTSPPCKINVKQIAARLLPPLYSLVFIFGVGNMVLILLINCKR 60
DB 1 MDYQSSPIYDINNTSPPCKINVKQIAARLLPPLYSLVFIFGVGNMVLILLINCKR 60
QY 61 LKSMTDIYLMNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGSGIFFLI 120
DB 61 LKSMTDIYLMNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGSGIFFLI 120
QY 121 LITIDRYLAVVAVPALKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180
DB 121 LITIDRYLAVVAVPALKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180
QY 181 HFPY 184
DB 181 HFPY 184

RESULT 5
US-08-861-105-14
Sequence 14, Application US/08861105
Patent No. 6258527
GENERAL INFORMATION:
APPLICANT: LITTMAN, DAN R.
APPLICANT: DENG, HONGKUI
APPLICANT: ELMETER, WILFRIED
APPLICANT: LANDAU, NATHANIEL R.
APPLICANT: LIU, RONG
TITLE OF INVENTION: G-COUPLED RECEPTORS ASSOCIATED WITH
TITLE OF INVENTION: MACROPHAGE-TROPIC HIV, AND DIAGNOSTIC AND THERAPEUTIC
TITLE OF INVENTION: US5 THEROP
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
CITY: Hackensack

STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/861,105
FILING DATE:
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/666,020
FILING DATE: 19-JUN-1996
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,319
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1049-1-004 NL
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-861-105-14

Query Match 85.4%; Score 958; DB 3; Length 352;
Best Local Similarity 100.0%; Pred. No. 2.7e-87;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINNTSPPCKINVKQIAARLLPPLYSLVFIFGVGNMVLILLINCKR 60
DB 1 MDYQSSPIYDINNTSPPCKINVKQIAARLLPPLYSLVFIFGVGNMVLILLINCKR 60
QY 61 LKSMTDIYLMNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGSGIFFLI 120
DB 61 LKSMTDIYLMNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGSGIFFLI 120
QY 121 LITIDRYLAVVAVPALKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180
DB 121 LITIDRYLAVVAVPALKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180
QY 181 HFPY 184
DB 181 HFPY 184

RESULT 6
US-08-575-967A-2
Sequence 2, Application US/08575967A
Patent No. 6265184
GENERAL INFORMATION:
APPLICANT: Gray et al.
TITLE OF INVENTION: Chemokine Receptor Materials and Methods
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: Marshall, O'Toole, Gerstein, Murray & Borum
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA

```

1      ZIP: 60606
2      COMPUTER READABLE FORM:
3      MEDIUM TYPE: floppy disk
4      COMPUTER: IBM PC compatible
5      OPERATING SYSTEM: PC-DOS/MS-DOS
6      SOFTWARE: PatentIn Release #1.0, Version #1.30
7      CURRENT APPLICATION DATA:
8      APPLICATION NUMBER: US/08/575,967A
9      FILING DATE:
10     CLASSIFICATION: 435
11     ATTORNEY/AGENT INFORMATION:
12     NAME: No. 6265184and, Greta E.
13     REGISTRATION NUMBER: 35,302
14     REFERENCE/DOCKET NUMBER: 32918
15     TELECOMMUNICATION INFORMATION:
16     TELEPHONE: 206-485-1900
17     TELEFAX: 206-485-1662
18     INFORMATION FOR SEQ ID NO: 2:
19     SEQUENCE CHARACTERISTICS:
20     LENGTH: 352 amino acids
21     TYPE: amino acid
22     TOPOLOGY: linear
23     MOLECULE TYPE: protein
24     FEATURE:
25     NAME/KEY: misc feature
26     OTHER INFORMATION: /= "88C amino acid sequence"
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Query Match	85.4%;	Score 958;	DB 3;	Length 352;
Best Local Similarity	100.0%;	Pred. No. 2.7e-87;		
Matches 184; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

QY	1	IMQVSSPIYDINNYTSECCIKINVKQIAARLLPELVSIVIFEFVGMVLVILLINCKR	60
Db	1	IMQVSSPIYDINNYTSECCIKINVKQIAARLLPELVSIVIFEFVGMVLVILLINCKR	60
QY	61	LKSMTDIYLLNTAISDLPEFLLTPPMAHYAAAQMDFGNTMCQLLTGLYFIFGFSGIFII	120
Db	61	LKSMTDIYLLNTAISDLPEFLLTPPMAHYAAAQMDFGNTMCQLLTGLYFIFGFSGIFII	120
QY	121	LITIDRYLAVHAVALKARITVFGVTSVITTWVAVPAISLPGIILFTRSQKEGHAHYCCS	180
Db	121	LITIDRYLAVHAVALKARITVFGVTSVITTWVAVPAISLPGIILFTRSQKEGHAHYCCS	180
QY	181	HEPY	184
Db	181	HEPY	184

RESULT 7
 US-08-833-752-5
 / Sequence 5, Application US/08833752
 / Patent No. 6448375
 / GENERAL INFORMATION:
 / APPLICANT: SAMSON, MICHEL
 / APPLICANT: PARENTIER, MARC
 / APPLICANT: VASSART, GILBERT
 / APPLICANT: LIBERT, FREDERICK
 / TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
 / TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
 / NUMBER OF SEQUENCES: 17
 / CORRESPONDENCE ADDRESSES:
 / ADDRESSEE: Knobbe, Martens, Olsson & Bear
 / STREET: 620 Newport Center Drive 16th Floor
 / CITY: Newport Beach
 / STATE: CA
 / COUNTRY: U.S.A.
 / ZIP: 92660
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

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? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/833,752
? FILING DATE: 9-APR-1997
?
? CLASSIFICATION: 536
?
? ATTORNEY/AGENT INFORMATION:
? NAME: Altman, Daniel E
? REGISTRATION NUMBER: 34,115
? REFERENCE/DOCKET NUMBER:
? INFORMATION FOR SEQ ID NO: 5:
?
? SEQUENCE CHARACTERISTICS:
?
? LENGTH: 352 amino acids
?
? TYPE: amino acid
?
? TOPOLOGY: linear
?
? MOLECULE TYPE: protein
?
US-08-833-752-5

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Query Match	85.4%	Score 958;	DB 4;	Length 352;
Best Local Similarity	100.0%;	Pred. No. 2.7e-87;		
Matches 184;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	MDYQVSSPIYDINNYTSEPCOKINVKQJAALBPLVSLVFI	FEFVGMVLVILLINCKR	60
Db	1	MDYQVSSPIYDINNYTSEPCOKINVKQJAALBPLVSLVFI	PEFVGMVLVILLINCKR	60
QY	61	LKSMTDIYLNLAIISDLFELLTVDPMAHYAAQMDFGNTM	COLLTGLYFI	120
Db	61	LKSMTDIYLNLAIISDLFELLTVDPMAHYAAQMDFGNTM	COLLTGLYFI	120
QY	121	LLTIDIRYLAVHAVALKARTYTPGVVTSVLTWVAVFA	SLPGIILFRSQEGHAYCCS	180
Db	121	LLTIDIRYLAVHAVALKARTYTPGVVTSVLTWVAVFA	SLPGIILFRSQEGHAYCCS	180
QY	181	HPFY	184	
Db	181	HPFY	184	

```

US-09-502-783A-2
; Sequence 2, Application US/09502783A
; Patent No. 6511826
; GENERAL INFORMATION:
; APPLICANT: LI, YI
; APPLICANT: Ribden, Steven M.
; TITLE OF INVENTION: Polynucleotides Encoded
; TITLE OF INVENTION: HDNR10
; FILE REFERENCE: 1488.1150006
; CURRENT APPLICATION NUMBER: US/09/502,783A
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-502-783A-2

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Query Match	85.4%;	Score 958;	DB 4;	Length 352;
Best Local Similarity	100.0%;	Pred. No. 2.7e-87;		
Matches 184;	Conservative	0;	Mismatches	0;
			Indels	0;
			Gaps	0;

QY 1 MDYQSSPIYDINNYTSPCKINVKQIAALLPPLSLVEIFGFVNMMVILLINCKR 60
Db 1 MDYQSSPIYDINNYTSPCKINVKQIAALLPPLSLVEIFGFVNMMVILLINCKR 60
QY 61 LKSMTDIYLNLAISDLFELLTPFMAHYAAQWDFGNTMCOLLTGLYIFGFSGIFFI 120
Db 61 LKSMTDIYLNLAISDLFELLTPFMAHYAAQWDFGNTMCOLLTGLYIFGFSGIFFI 120
QY 121 LITIDRYAAVHAAPFALKARTVTFGVATSVITVVAAPASIPGIIIFRRSQREGIHYTCSS 180

Db 121 LITIDRYLAIVAVAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180
Qy 181 HFPY 184
Db 181 HFPY 184

RESULT 9

US-09-796-202-1
; Sequence 1, Application US/09796202
; Patent No. 6548636
; GENERAL INFORMATION:
; APPLICANT: Dragic, Tatjana
; APPLICANT: Olsson, William
; TITLE OF INVENTION: SULFATED CCR5 PEPTIDES FOR HIV-1 INFECTION
; FILE REFERENCE: 2048/61010/JPM/SHS
; CURRENT APPLICATION NUMBER: US/09/796,202
; CURRENT FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 1
; LENGTH: 352
; TYPE: PRT
; ORGANISM: human
US-09-796-202-1

Query Match 85.4%; Score 958; DB 4; Length 352;
Best Local Similarity 100.0%; Pred. No. 2.7e-87;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDQVSSPIYDIDYTTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60
Db 1 MDQVSSPIYDIDYTTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60
Qy 61 LKSMTDIYLLNLAISDLFFLLTVPPWAHYAAQWPGNTMCOLLGLVYIGFSGIFETI 120
Db 61 LKSMTDIYLLNLAISDLFFLLTVPPWAHYAAQWPGNTMCOLLGLVYIGFSGIFETI 120
Qy 121 LITIDRYLAIVAVAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180
Db 121 LITIDRYLAIVAVAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180

Qy 181 HFPY 184
Db 181 HFPY 184

RESULT 10
US-09-045-583-52
; Sequence 52, Application US/09045583
; Patent No. 6287805
; GENERAL INFORMATION:
; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6287805el Molecules of the G Protein-Coupled
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHYE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,583
; FILING DATE: 20-MAR-98
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: NMI-044
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-09-045-583-52

Query Match 84.8%; Score 952; DB 3; Length 352;
Best Local Similarity 98.9%; Pred. No. 1.1e-86;
Matches 182; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDQVSSPIYDIDYTTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60
Db 1 MDQVSSPIYDIDYTTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60
Qy 61 LKSMTDIYLLNLAISDLFFLLTVPPWAHYAAQWPGNTMCOLLGLVYIGFSGIFETI 120
Db 61 LKSMTDIYLLNLAISDLFFLLTVPPWAHYAAQWPGNTMCOLLGLVYIGFSGIFETI 120
Qy 121 LITIDRYLAIVAVAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180
Db 121 LITIDRYLAIVAVAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180
Qy 181 HFPY 184
Db 181 HFPY 184

RESULT 11
US-09-534-185-52
; Sequence 52, Application US/09534185
; Patent No. 6403767
; GENERAL INFORMATION:
; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6403767el Molecules of the G Protein-Coupled
; Heptahelical Receptor Superfamily and Uses
; THEREFOR
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHYE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/534,185
; FILING DATE: 24-Mar-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: NMI-044
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400


```

; ADDRESS: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road, P.O. Box 1539
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: MICROSOFT WORD
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,984A
; FILING DATE: October 3, 1996
; PRIOR APPLICATION DATA:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: William T. Han
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: ATG50023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610 270 5024
; TELEFAX: 610 270 5090
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-724-984A-2

Query Match      69.2%; Score 776; DB 4; Length 354;
Best Local Similarity 79.0%; Pred. No. 3.2e-69;
Matches 147; Conservative 17; Mismatches 20; Indels 2; Gaps 1;

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DB      59 KRLKSMETIYLLNLNLAIISDLFELLTPFMAHYAAQWDFGNTMCCOLLTGLYIFGFSGLTF 118
      61 KRLKSVTDIYLLNLNLAIISDLFELLTPFMAHYAANEMIFGNIMCKVFTGYHIGYRGILFF 120
QY      119 ILLITIDRYLAIVHAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQEGSLHYTC 178
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DB      179 SSHPEY 184
      181 SPHEPH 186

RESULT 15
US-09-131-827A-20
; Sequence 20, Application US/09131827A
; Patent No. 6600030
; GENERAL INFORMATION:
; APPLICANT: Dean, Michael
; APPLICANT: O'Brien, Stephen J.
; APPLICANT: Smith, Michael
; APPLICANT: Carrington, Mary
; TITLE OF INVENTION: DELAYED PROGRESSION TO AIDS BY A
; FILE REFERENCE: 14014.0333
; CURRENT APPLICATION NUMBER: US/09/131,827A
; CURRENT FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/055,659
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 360
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-131-827A-20

Query Match      61.9%; Score 695; DB 4; Length 360;
Best Local Similarity 76.4%; Pred. No. 3.5e-61;
Matches 133; Conservative 16; Mismatches 23; Indels 2; Gaps 1;

QY      10 YDINYTSEPCQKINVKQIAARLLPPLYSLVIFGFGVGNMVLILLINCKRIKSMTDIYL 69
      24 FDYDY--GAPCHKRDVQKIGQQLLPPLYSLVIFGFGVGNMVLILLINCKKLCULDIYL 81
DB      70 LNLAIISDLFELLTPFMAHYAAQWDFGNTMCCOLLTGLYIFGFSGLTFIILLITDRYLA 129
      82 LNLAIISDLFELLTPFMAHYAANEMIFGNAMCKLFTGHHIGYFGGFIIFILLITDRYLA 141
QY      130 VHAVFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQEGSLHYTCSSHEP 183
      142 VHAVFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQEGSDSVYVCGPYEP 195
DB

Search completed: June 28, 2004, 08:39:15
Job time : 29.494 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2004, 08:38:27 ; Search time 68.2129 Seconds
(without alignments)
889.824 Million cell updates/sec

Title: US-09-938-703-6
Perfect score: 1122
Sequence: 1 MDYGVSSPIFYDINYYTSEPC.....AACHGHLLGNPKNSASVSK 215

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1122	100.0	215	US-09-938-719-6	Sequence 6, Appli
2	1122	100.0	215	US-09-939-226-6	Sequence 6, Appli
3	1122	100.0	215	US-09-938-703-6	Sequence 6, Appli
4	1122	100.0	215	US-10-661-798-6	Sequence 6, Appli
5	1122	100.0	215	US-10-661-798-18	Sequence 18, Appli
6	958	85.4	184	US-09-938-719-4	Sequence 4, Appli
7	958	85.4	184	US-09-939-226-4	Sequence 4, Appli
8	958	85.4	184	US-09-938-703-4	Sequence 4, Appli
9	958	85.4	184	US-10-661-798-4	Sequence 4, Appli
10	958	85.4	352	US-09-725-285-2	Sequence 2, Appli
11	958	85.4	352	US-09-759-841-2	Sequence 2, Appli
12	958	85.4	352	US-09-779-879A-22	Sequence 22, Appli
13	958	85.4	352	US-09-779-880A-22	Sequence 22, Appli
14	958	85.4	352	US-09-813-653-15	Sequence 15, Appli
15	958	85.4	352	US-09-796-202-1	Sequence 1, Appli

16	958	85.4	352	US-09-195-662A-2	Sequence 2, Appli
17	958	85.4	352	US-09-339-912A-2	Sequence 2, Appli
18	958	85.4	352	US-09-938-719-5	Sequence 5, Appli
19	958	85.4	352	US-09-939-226-5	Sequence 5, Appli
20	958	85.4	352	US-09-938-703-5	Sequence 5, Appli
21	958	85.4	352	US-09-502-783A-2	Sequence 2, Appli
22	958	85.4	352	US-09-734-221A-14	Sequence 14, Appli
23	958	85.4	352	US-09-826-509-477	Sequence 477, App
24	958	85.4	352	US-10-106-623-2	Sequence 2, Appli
25	958	85.4	352	US-10-232-686-2	Sequence 2, Appli
26	958	85.4	352	US-10-086-814-1	Sequence 22, Appli
27	958	85.4	352	US-10-067-800-22	Sequence 6, Appli
28	958	85.4	352	US-10-225-567A-352	Sequence 352, App
29	958	85.4	352	US-10-323-314-1	Sequence 1, Appli
30	958	85.4	352	US-10-072-301-1	Sequence 1, Appli
31	958	85.4	352	US-10-071-866-1	Sequence 1, Appli
32	958	85.4	352	US-10-135-839-22	Sequence 22, Appli
33	958	85.4	352	US-10-239-423-67	Sequence 67, Appli
34	958	85.4	352	US-10-439-845-4	Sequence 4, Appli
35	958	85.4	352	US-10-360-828-1	Sequence 5, Appli
36	958	85.4	352	US-10-661-798-5	Sequence 2, Appli
37	958	85.4	352	US-10-439-845-2	Sequence 17, Appli
38	952	84.8	352	US-09-813-653-17	Sequence 52, Appli
39	952	84.8	352	US-10-164-649-52	Sequence 2, Appli
40	952	84.0	352	US-09-779-879A-2	Sequence 2, Appli
41	943	84.0	352	US-09-779-880A-2	Sequence 2, Appli
42	943	84.0	352	US-10-067-800-2	Sequence 2, Appli
43	943	84.0	352	US-10-135-839-2	Sequence 14, Appli
44	943	84.0	352	US-10-151-274-5	Sequence 5, Appli
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ALIGNMENTS

RESULT 1

US-09-938-719-6
; Sequence 6, Application US/09938719
; Patent No. US20020106742A1

GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL

PARMENTIER, MARC

VASSART, GILBERT

LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS: Martens, Olson & Bear

ADDRESSER: Knobbe, Martens, Olson & Bear

CITY: Newport, Beach

STATE: CA

COUNTRY: U.S.A.

ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/938, 719

FILING DATE: 24-Aug-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/626, 939

FILING DATE: 27-JULY-2000

ATTORNEY/AGENT INFORMATION:

NAME: Altman, Daniel E

REGISTRATION NUMBER: 34,115

REFERENCE/DOCKET NUMBER: <Unknown>

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 215 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-938-719-6

Query Match 100.0%; Score 1122; DB 9; Length 215;
Best Local Similarity 100.0%; Pred. No. 6.2e-99;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDYQSSPIYDINVTSEPCOKINVKQIARLLPPLYSLVIFGVGMVLVILLINCKR 60
QY 61 LKSMTDIYLNLAISDLFELLTPFWMAHYAAQMDFGNTMCOLLTGLYIFGFSGIFPII 120
DB 61 LKSMTDIYLNLAISDLFELLTPFWMAHYAAQMDFGNTMCOLLTGLYIFGFSGIFPII 120
QY 121 LITIDRYLAHVAVFALKARTVTEGVTSVITWVAVPASLPGLIFTRSQKGLHYTCS 180
DB 121 LITIDRYLAHVAVFALKARTVTEGVTSVITWVAVPASLPGLIFTRSQKGLHYTCS 180
QY 181 HFPYIKOSHLAGPAAACHGHLILGNPNKASVSK 215
DB 181 HFPYIKOSHLAGPAAACHGHLILGNPNKASVSK 215

RESULT 2

US-09-939-226-6
Sequence 6, Application US/09939226
Patent No. US20020110805A1

GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/939,226
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/626,939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-939-226-6

Query Match 100.0%; Score 1122; DB 9; Length 215;
Best Local Similarity 100.0%; Pred. No. 6.2e-99;

Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDYQSSPIYDINVTSEPCOKINVKQIARLLPPLYSLVIFGVGMVLVILLINCKR 60
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DB 61 LKSMTDIYLNLAISDLFELLTPFWMAHYAAQMDFGNTMCOLLTGLYIFGFSGIFPII 120
QY 121 LITIDRYLAHVAVFALKARTVTEGVTSVITWVAVPASLPGLIFTRSQKGLHYTCS 180
DB 121 LITIDRYLAHVAVFALKARTVTEGVTSVITWVAVPASLPGLIFTRSQKGLHYTCS 180
QY 181 HFPYIKOSHLAGPAAACHGHLILGNPNKASVSK 215
DB 181 HFPYIKOSHLAGPAAACHGHLILGNPNKASVSK 215

RESULT 3

US-09-938-703-6
Sequence 6, Application US/09938703
Patent No. US20020110870A1

GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938,703
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/626,939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 215 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-938-703-6

Query Match 100.0%; Score 1122; DB 9; Length 215;
Best Local Similarity 100.0%; Pred. No. 6.2e-99;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDYQSSPIYDINVTSEPCOKINVKQIARLLPPLYSLVIFGVGMVLVILLINCKR 60
QY 61 LKSMTDIYLNLAISDLFELLTPFWMAHYAAQMDFGNTMCOLLTGLYIFGFSGIFPII 120
DB 61 LKSMTDIYLNLAISDLFELLTPFWMAHYAAQMDFGNTMCOLLTGLYIFGFSGIFPII 120

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Db      61 LKSMTDIYLNLAIISDLFFLLTVPFWAHYAAQMDPNTMCCOLLTGLYFIFGSGIFPFI 120
QY      121 LITIDRYLAVHVAFAVKARVTGVTSVITWVAFAVPSLPGIIFTRSQKGLHYTCS 180
Db      121 LITIDRYLAVHVAFAVKARVTGVTSVITWVAFAVPSLPGIIFTRSQKGLHYTCS 180
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Db      181 HFPYIKDSHLAGPAAACHGHLILGNPKNSASVSK 215

RESULT 4
US-10-661-798-6
; Sequence 6, Application US/10661798
; Publication No. US20040110127A1
; GENERAL INFORMATION:
; APPLICANT: Samson, Michael
; APPLICANT: Parentier, Marc
; APPLICANT: Vassart, Gilbert
; APPLICANT: Frederic, Gilbert
; TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV En
; TITLE OF INVENTION: a Cell
; FILE REFERENCE: 9409/2023F
; CURRENT APPLICATION NUMBER: US/10/661,798
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: 09/938,703
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/626,939
; PRIOR FILING DATE: 2000-07-27
; PRIOR APPLICATION NUMBER: 08/833,752
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: 08/810,028
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: EP 96870021.1
; PRIOR FILING DATE: 1996-03-01
; PRIOR APPLICATION NUMBER: EP 96870102.9
; PRIOR FILING DATE: 1996-08-06
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-661-798-6

Query Match      100.0%; Score 1122; DB 16; Length 215;
Best Local Similarity 100.0%; Pred. No. 6.2e-99;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; APPLICANT: Vassart, Gilbert
; APPLICANT: Frederic, Gilbert
; TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV En
; TITLE OF INVENTION: a Cell
; FILE REFERENCE: 9409/2023F
; CURRENT APPLICATION NUMBER: US/10/661,798
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: 09/938,703
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/626,939
; PRIOR FILING DATE: 2000-07-27
; PRIOR APPLICATION NUMBER: 08/833,752
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: 08/810,028
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: EP 96870021.1
; PRIOR FILING DATE: 1996-03-01
; PRIOR APPLICATION NUMBER: EP 96870102.9
; PRIOR FILING DATE: 1996-08-06
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-661-798-18
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Query Match      100.0%; Score 1122; DB 16; Length 215;
Best Local Similarity 100.0%; Pred. No. 6.2e-99;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 MDYOVSSPIYDINNYSEPCQKINVKQIARLLPPLYSLVIFGFGVGNMVLIIINCKR 60
QY      61 LKSMTDIYLNLAIISDLFFLLTVPFWAHYAAQMDPNTMCCOLLTGLYFIFGSGIFPFI 120
Db      61 LKSMTDIYLNLAIISDLFFLLTVPFWAHYAAQMDPNTMCCOLLTGLYFIFGSGIFPFI 120
QY      121 LITIDRYLAVHVAFAVKARVTGVTSVITWVAFAVPSLPGIIFTRSQKGLHYTCS 180
Db      121 LITIDRYLAVHVAFAVKARVTGVTSVITWVAFAVPSLPGIIFTRSQKGLHYTCS 180
QY      181 HFPYIKDSHLAGPAAACHGHLILGNPKNSASVSK 215
Db      181 HFPYIKDSHLAGPAAACHGHLILGNPKNSASVSK 215
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RESULT 6
US-09-938-719-4
; Sequence 4, Application US/09938719
; Patent No. US20020106742A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; APPLICANT: PARENTIER, MARC
; APPLICANT: VASSART, GILBERT
; APPLICANT: LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/09/938, 719
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/626, 939
FILING DATE: 27-JULY-2000
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-938-719-4

Query Match 85.4%; Score 958; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 2.2e-83;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYVSSPIYDINYYTSPCCQKINVKQIAARLLPPLYSLVIFGFGVMNLVILLINCKR 60
DB 1 MDYVSSPIYDINYYTSPCCQKINVKQIAARLLPPLYSLVIFGFGVMNLVILLINCKR 60
QY 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120
DB 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120
QY 121 LITIDRYLAHVAVFALKARTVTGVTSTVTTWVAVFASLPGIIFTSQKEGLHYTCS 180
DB 121 LITIDRYLAHVAVFALKARTVTGVTSTVTTWVAVFASLPGIIFTSQKEGLHYTCS 180
QY 181 HFPY 184
DB 181 HFPY 184

RESULT 7
US-09-939-226-4
Sequence 4, Application US/09939226
Patent No. US20020110805A1
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/939, 226
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/626, 939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E

REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-939-226-4

Query Match 85.4%; Score 958; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 2.2e-83;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYVSSPIYDINYYTSPCCQKINVKQIAARLLPPLYSLVIFGFGVMNLVILLINCKR 60
DB 1 MDYVSSPIYDINYYTSPCCQKINVKQIAARLLPPLYSLVIFGFGVMNLVILLINCKR 60
QY 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120
DB 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120
QY 121 LITIDRYLAHVAVFALKARTVTGVTSTVTTWVAVFASLPGIIFTSQKEGLHYTCS 180
DB 121 LITIDRYLAHVAVFALKARTVTGVTSTVTTWVAVFASLPGIIFTSQKEGLHYTCS 180
QY 181 HFPY 184
DB 181 HFPY 184

RESULT 8
US-09-938-703-4
Sequence 4, Application US/09938703
Patent No. US20020110870A1
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL
PARMENTIER, MARC
VASSART, GILBERT
LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938, 703
FILING DATE: 24-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/626, 939
FILING DATE: 2000-07-27
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: <Unknown>
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 4
US-09-938-703-4

Query Match 85.4%; Score 958; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 2.2e-83;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQVSSPIYDINNYTSEPCQKINVKQIAARLLPPLYSIVLFGFVGNMLVILLINCKR 60
| | | | |
DB 1 MDYQVSSPIYDINNYTSEPCQKINVKQIAARLLPPLYSIVLFGFVGNMLVILLINCKR 60
| | | | |
QY 61 LKSMTDIYLLNLAIISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120
| | | | |
DB 61 LKSMTDIYLLNLAIISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120
| | | | |
QY 121 LITIDRYLAHVAVPALKARITVFGVTSVITWVAVAFASLPGIIFTRSOKEGLHYTCSS 180
| | | | |
DB 121 LITIDRYLAHVAVPALKARITVFGVTSVITWVAVAFASLPGIIFTRSOKEGLHYTCSS 180
| | | | |
QY 181 HFPY 184
| | | | |
DB 181 HFPY 184

RESULT 9

US-10-661-798-4
; Sequence 4, Application US/10661798
; Publication No. US20040110127A1
; GENERAL INFORMATION:
; APPLICANT: Samsen, Michael
; APPLICANT: Samsen, Michael
; APPLICANT: Vasarrat, Gilbert
; APPLICANT: Vasarrat, Gilbert
; TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV En
; FILE REFERENCE: 9409/2023F
; CURRENT APPLICATION NUMBER: US/10/661,798
; PRIOR FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: 09/938,703
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/626,939
; PRIOR FILING DATE: 2000-07-27
; PRIOR APPLICATION NUMBER: 08/833,752
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: 08/810,028
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: EP 96870021.1
; PRIOR FILING DATE: 1996-03-01
; PRIOR APPLICATION NUMBER: EP 96870102.9
; PRIOR FILING DATE: 1996-08-06
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent version 3.1
; SEQ ID NO 4
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-661-798-4

Query Match 85.4%; Score 958; DB 16; Length 184;
Best Local Similarity 100.0%; Pred. No. 2.2e-83;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQVSSPIYDINNYTSEPCQKINVKQIAARLLPPLYSIVLFGFVGNMLVILLINCKR 60
| | | | |
DB 1 MDYQVSSPIYDINNYTSEPCQKINVKQIAARLLPPLYSIVLFGFVGNMLVILLINCKR 60
| | | | |
QY 61 LKSMTDIYLLNLAIISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120
| | | | |
DB 61 LKSMTDIYLLNLAIISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120
| | | | |
QY 121 LITIDRYLAHVAVPALKARITVFGVTSVITWVAVAFASLPGIIFTRSOKEGLHYTCSS 180
| | | | |
DB 121 LITIDRYLAHVAVPALKARITVFGVTSVITWVAVAFASLPGIIFTRSOKEGLHYTCSS 180
| | | | |

QY 181 HFPY 184
| | | | |
DB 181 HFPY 184

RESULT 10

US-09-725-285-2
; Sequence 2, Application US/09725285
; Patent No. US20010000241A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGMR10
; FILE REFERENCE: 1488.115003
; CURRENT APPLICATION NUMBER: US/09/725,285
; CURRENT FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 09/339,912
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/195,662
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Artificial Sequence: Genomic
; OTHER INFORMATION: Deduced Amino Acid Sequence
US-09-725-285-2

Query Match 85.4%; Score 958; DB 9; Length 352;
Best Local Similarity 100.0%; Pred. No. 4.6e-83;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQVSSPIYDINNYTSEPCQKINVKQIAARLLPPLYSIVLFGFVGNMLVILLINCKR 60
| | | | |
DB 1 MDYQVSSPIYDINNYTSEPCQKINVKQIAARLLPPLYSIVLFGFVGNMLVILLINCKR 60
| | | | |
QY 61 LKSMTDIYLLNLAIISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120
| | | | |
DB 61 LKSMTDIYLLNLAIISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120
| | | | |
QY 121 LITIDRYLAHVAVPALKARITVFGVTSVITWVAVAFASLPGIIFTRSOKEGLHYTCSS 180
| | | | |
DB 121 LITIDRYLAHVAVPALKARITVFGVTSVITWVAVAFASLPGIIFTRSOKEGLHYTCSS 180
| | | | |
QY 181 HFPY 184
| | | | |
DB 181 HFPY 184

RESULT 11

US-09-759-841-2
; Sequence 2, Application US/09759841
; Patent No. US20010039026A1
; GENERAL INFORMATION:
; APPLICANT: Rickett, Graham A
; APPLICANT: Dobbs, Susan
; APPLICANT: Petros, Manouscos
; TITLE OF INVENTION: Assay Method
; FILE REFERENCE: PCI03484ME
; CURRENT APPLICATION NUMBER: US/09/759,841
; PRIOR APPLICATION NUMBER: GB 0000661.9
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: GB 0000663.5
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: GB 0000659.3
; PRIOR FILING DATE: 2000-01-12

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; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1.1
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-759-841-2

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Query Match	85.4%;	Score 958;	DB 9;	Length 352;
Best Local Similarity	100.0%;	Pred. No. 4.6e-83;		
Matches 184;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	MDYOVSSEPIYDINNYTSECCOKINVKQIARLLPPLYSLVFI	FGFEGNMVLIIILNCR	60
Db	1	MDYOVSSEPIYDINNYTSECCOKINVKQIARLLPPLYSLVFI	FGFEGNMVLIIILNCR	60
QY	61	LKSMTDIYLNLAISDLFFLLTVPEWAAHAAAQWDFGNTMCO	LTGLYFI	120
Db	61	LKSMTDIYLNLAISDLFFLLTVPEWAAHAAAQWDFGNTMCO	LTGLYFI	120
QY	121	LLITDRIYAAVHAVALKARITTFGVVTSVITWVAVFASL	FGIIFTRSOKEGLHTCSS	180
Db	121	LLITDRIYAAVHAVALKARITTFGVVTSVITWVAVFASL	FGIIFTRSOKEGLHTCSS	180
QY	161	HFpy	184	
Db	161	HFpy	184	

RESULT 12
US-09-779-879A-22
; Sequence 22, Application US/09779879A

	Query Match	85.4%;	Score 958;	DB 9;	length 352;
	Best Local Similarity	100.0%;	Pred. No. 4,6e-83;		
	Matches 184;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0
QY	1 MDQVSSPIYDINYYTSEPCQKINVKQIARLLPLYSIVIFGPGVGNMLVILLINCKR	60			
Db	1 MDQVSSPIYDINYYTSEPCQKINVKQIARLLPLYSIVIFGPGVGNMLVILLINCKR	60			
QY	61 LKSMDDIYLNIAISDLPFLTVPPFAHYAAQMDGNTMCQLLTGAYFGFSGSIFPII	120			
Db	61 LKSMDDIYLNIAISDLPFLTVPPFAHYAAQMDGNTMCQLLTGAYFGFSGSIFPII	120			
QY	121 LITIDIRYAAVVAVALKARIVTFGVATSVITWVVAVFASLPQIFTRSQKEGILHYTCSS	180			
Db	121 LITIDIRYAAVVAVALKARIVTFGVATSVITWVVAVFASLPQIFTRSQKEGILHYTCSS	180			
QY	181 HPPY 184				

Db 181 HEPY 184

```

RESULT 13
US-09-779-880A-22
Sequence 22, Application US/09779980A
Patent No. US20020061834A1
GENERAL INFORMATION:
APPLICANT: Rosen, Craig A.
APPLICANT: Roschke, Viktor
APPLICANT: Li, Yi
APPLICANT: Ruben, Steven, M.
TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCR5) HDGNR10
FILE REFERENCE: 1486.115000C
CURRENT APPLICATION NUMBER: US/09/779,880A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,258
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 60/187,999
PRIOR FILING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: US 60/234,336
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PatentIn version 3.0
SEQ ID NO 22
LENGTH: 352
TYPE: PRF
ORGANISM: Homo sapiens
US-09-779-880A-22

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Query Match	85.4%	Score 958	DB 9	Length 352
Best Local Similarity	100.0%	Pred. No.	4.6e-83	
Matches 184	Conservative 0	Mismatches 0	Indels 0	Gaps 0

Qy	1	MDQVSSPYIDINNYNSEPCOKINVKQJLAARLLPVLVSIVIFGVGMMVILLINCKR	60
Db	1	MDQVSSPYIDINNYTSEPCQKINVKQJLAARLLPVLVSIVIFGVGMMVILLINCKR	60
Qy	61	LKSMTDIYILNLTAISDLFELLTPFPMAHYAAAOQDFGNTMCQLLTGHYIFIGFSGIPEII	120
Db	61	LKSMTDIYILNLTAISDLFELLTPFPMAHYAAAOQDFGNTMCQLLTGHYIFIGFSGIPEII	120
Qy	121	LTITDRYLAVHAHVPALKARIVTFGVVTSVITWVAVASLPGIILFPRSQEGHHTCCS	180
Db	121	LTITDRYLAVHAHVPALKARIVTFGVVTSVITWVAVASLPGIILFPRSQEGHHTCCS	180
Qy	181	HPFY 184	
Db	181	HPFY 184	

```

: RESULT 14
: US-09-813-653-15
: Sequence 15, Application US/09813653
: Patent No. US20020064770A1
: GENERAL INFORMATION:
: APPLICANT: Nestor, John
: APPLICANT: Wilson, Carol
: APPLICANT: See, Raymond
: APPLICANT: Tan Hehr, Christina
: TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds
: FILE REFERENCE: CNS-005
: CURRENT APPLICATION NUMBER: US/09/813,653
: CURRENT FILING DATE: 2001-03-20
: PRIOR APPLICATION NUMBER: US 60/190,946
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: US 60/190,996
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: US 60/191,299
: PRIOR FILING DATE: 2000-03-21
: NUMBER OF SEQ ID NOS: 44
: SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 15
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-813-653-15

Query Match 85.4%; Score 958; DB 9; Length 352;
Best Local Similarity 100.0%; Pred. No. 4.6e-83;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60
|||
Db 1 MDYQSSPIYDINVTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60
61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIQFSGIFPII 120
|||
Db 61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIQFSGIFPII 120
QY 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180
|||
Db 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180
QY 181 HFPY 184
|||
Db 181 HFPY 184

RESULT 15
US-09-796-202-1
; Sequence 1, Application US/09796202
; Patent No. US20020068813A1
; GENERAL INFORMATION:
; APPLICANT: Dragic, Tatjana
; APPLICANT: Olson, William
; TITLE OF INVENTION: SUBLATED CCR5 PEPTIDES FOR HIV-1 INFECTION
; FILE REFERENCE: 2048/61010/JPM/SHS
; CURRENT APPLICATION NUMBER: US/09/796,202
; CURRENT FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 352
; TYPE: PRT
; ORGANISM: human
US-09-796-202-1

Query Match 85.4%; Score 958; DB 9; Length 352;
Best Local Similarity 100.0%; Pred. No. 4.6e-83;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60
|||
Db 1 MDYQSSPIYDINVTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60
61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIQFSGIFPII 120
|||
Db 61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIQFSGIFPII 120
QY 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180
|||
Db 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180
QY 181 HFPY 184
|||
Db 181 HFPY 184

Search completed: June 28, 2004, 08:47:40
Job time : 69.2129 secs

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